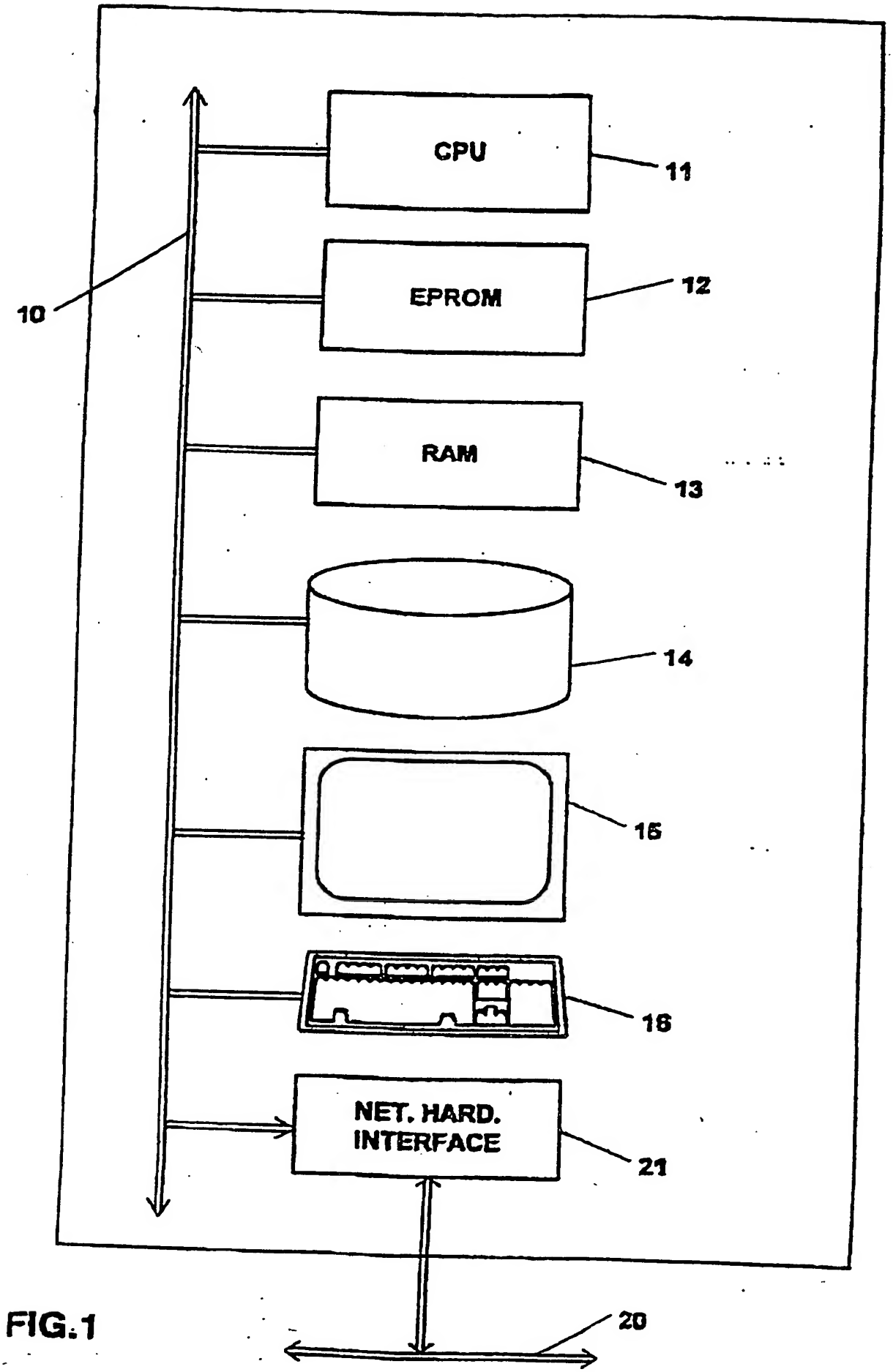


FIG.1

PRIOR ART

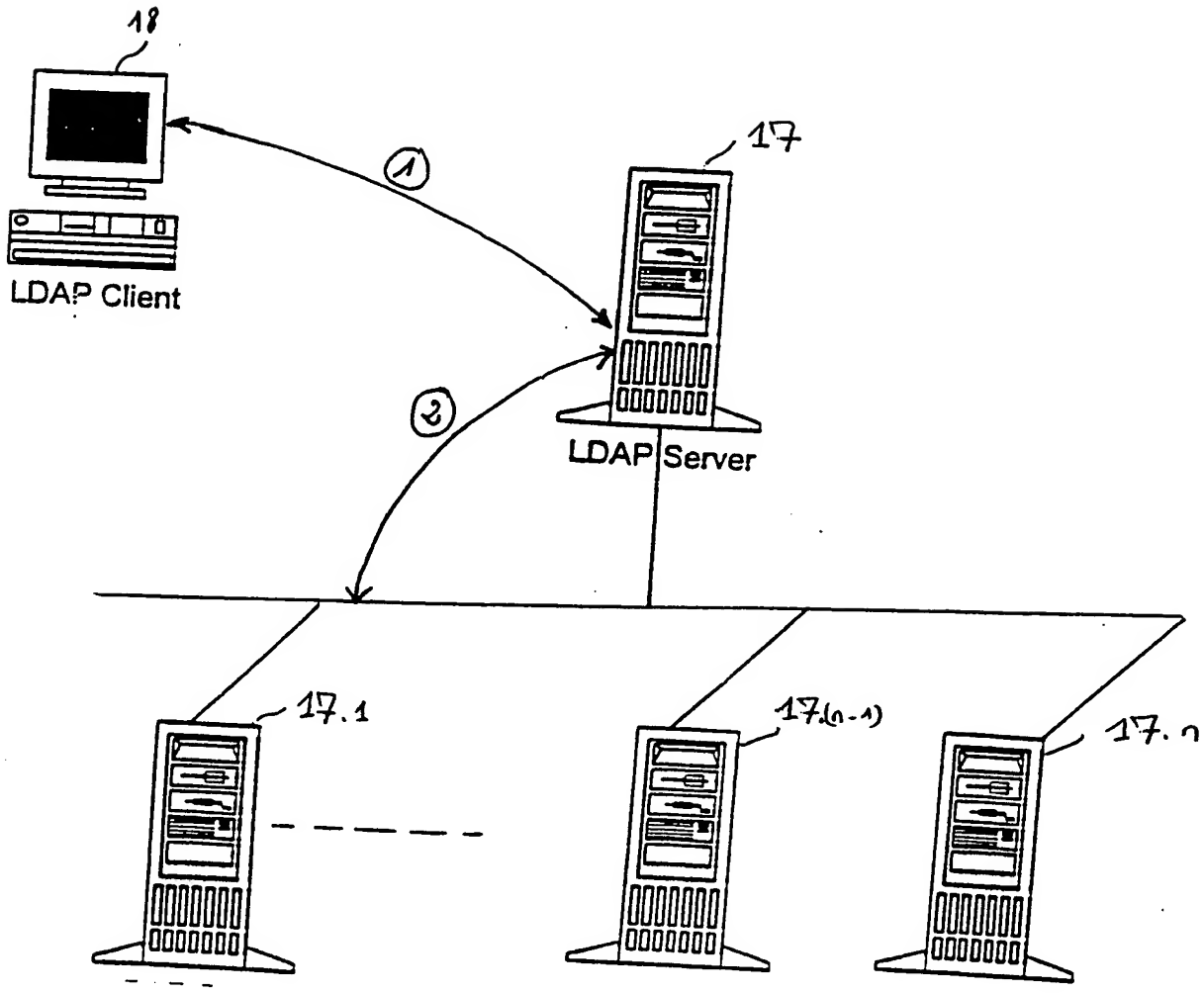


FIG. 2

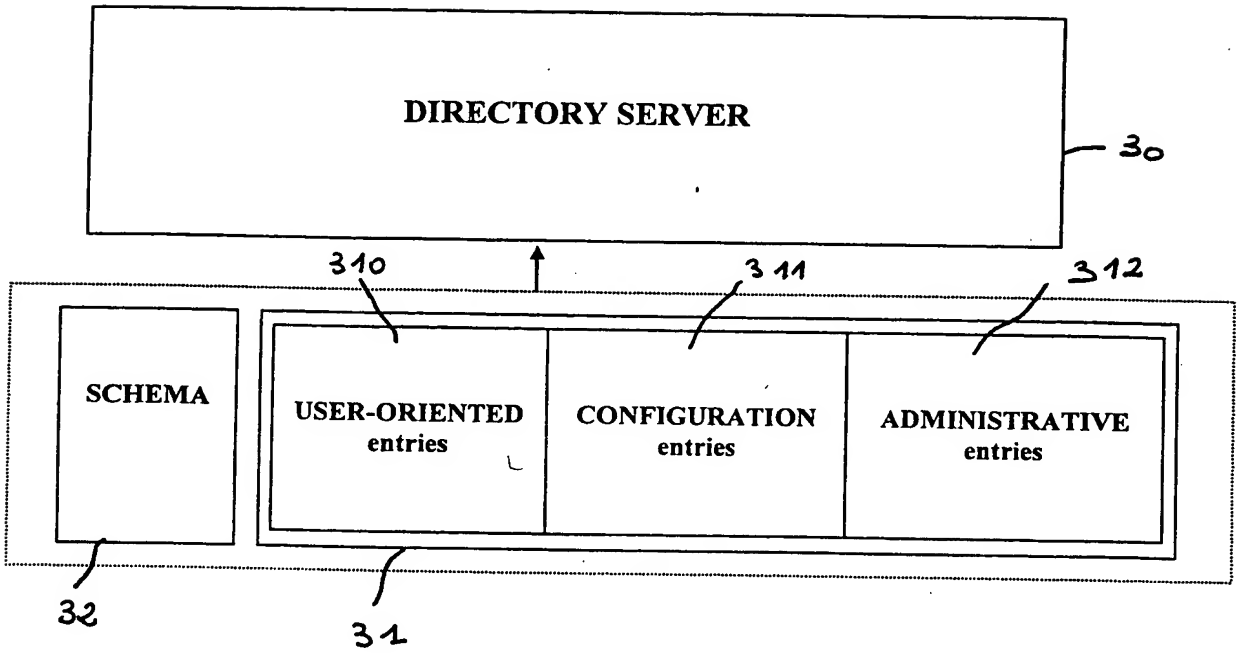

DIRECTORY SERVER
30
310
311
312
SCHEMA
USER-ORIENTED entries
CONFIGURATION entries
ADMINISTRATIVE entries
32
31

FIG 3

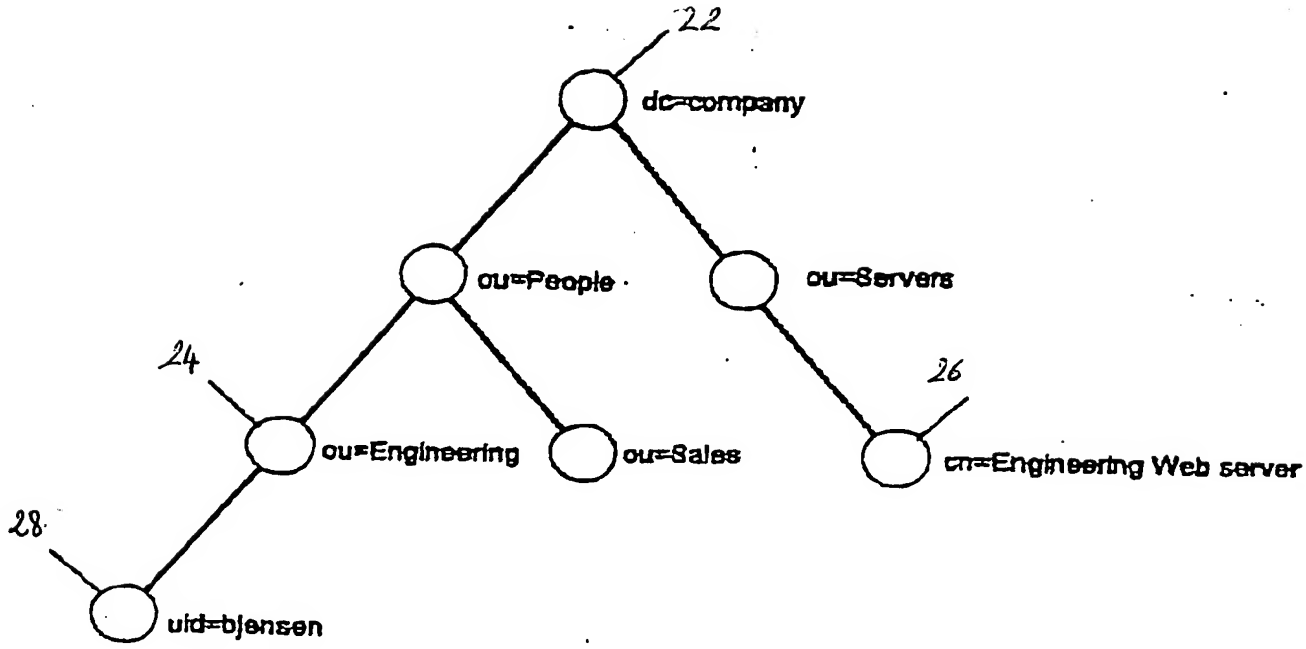


FIG 4

(PRIOR ART)

Entry 404

Attribute type 400	Attribute value 402
dn :	uid=Joe, ou=people, dc=france, dc=sun, dc=com
objectClass :	top
objectClass :	person
objectClass :	organizationalPerson
objectClass :	inetOrgPerson
cn :	Joe
sn :	Rayan
uid :	joerayan
mail :	joerayan@sun.com
phoneNumber :	778

Fig 5.

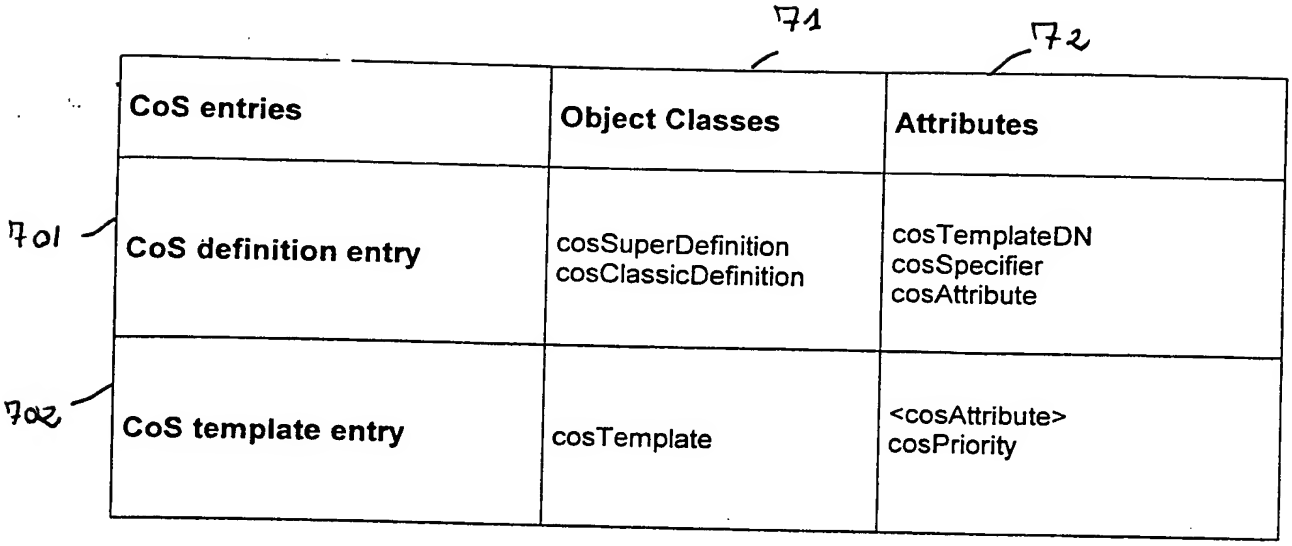
(PRIOR ART)

Role Type	Object Classes	Attribut s
Managed Role	nsSimpleRoleDefinition nsManagedRoleDefinition	description (optional)
Filtered Role	nsComplexRoleDefinition nsFilteredRoleDefinition	NsRoleDN description (optional)
Nested Role	nsComplexRoleDefinition nsNestedRoleDefinition	NsRoleDN description (optional)

61 62 602 603 604

Figure 6

(PRIOR ART)



CoS entries	Object Classes	Attributes
CoS definition entry	cosSuperDefinition cosClassicDefinition	cosTemplateDN cosSpecifier cosAttribute
CoS template entry	cosTemplate	<cosAttribute> cosPriority

FIG 7
(PRIOR ART)

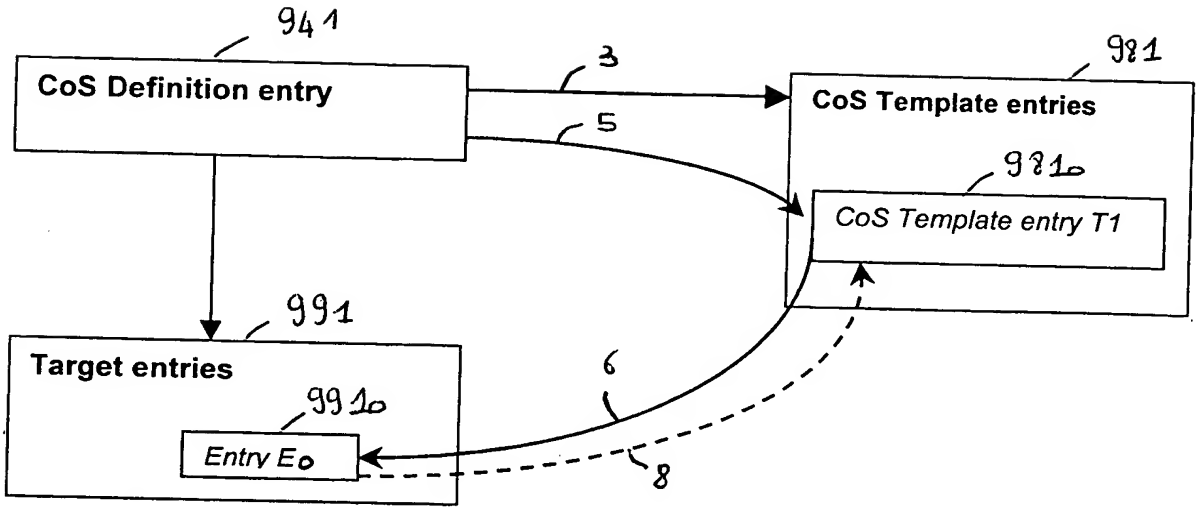

941
CoS Definition entry
3
5
981
CoS Template entries
9810
CoS Template entry T1
991
Target entries
9910
Entry E0
6
8

FIG 8

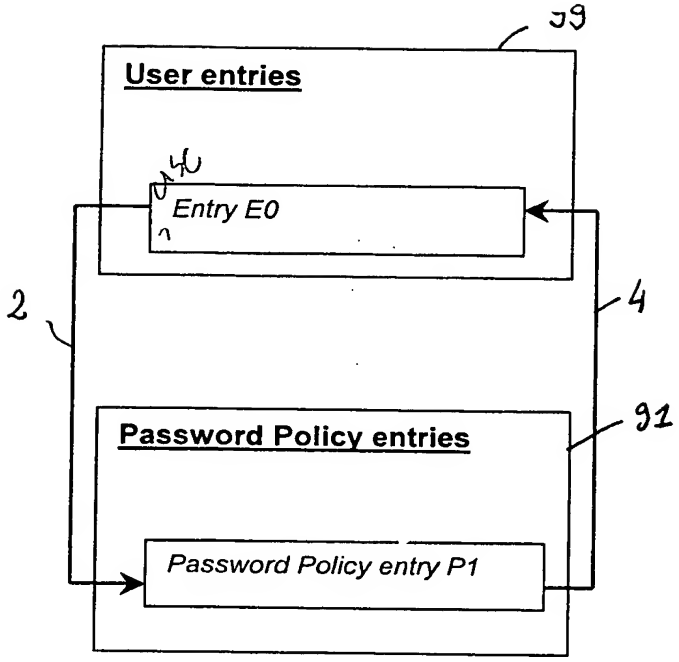

99
User entries
40
Entry E0
2
4
Password Policy entries
91
Password Policy entry P1

FIG 9

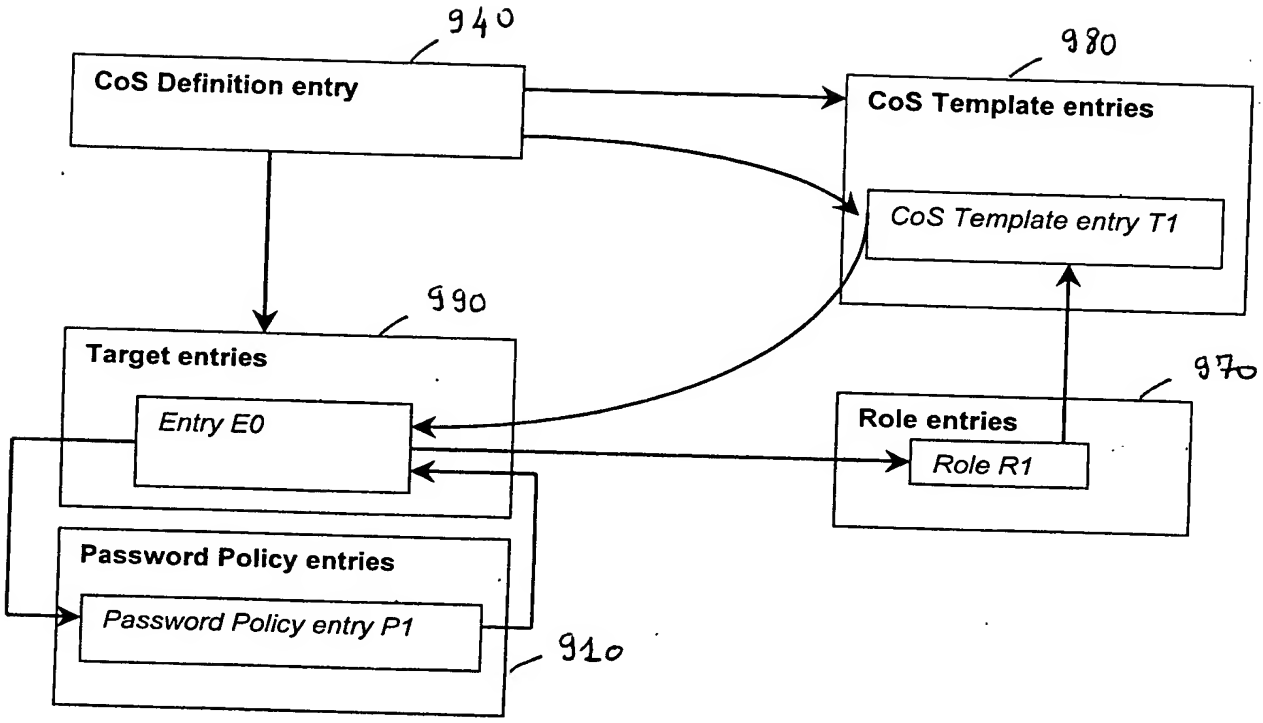

940
CoS Definition entry
980
CoS Template entries
CoS Template entry T1
990
Target entries
Entry E0
970
Role entries
Role R1
Password Policy entries
Password Policy entry P1
910

FIG. 10

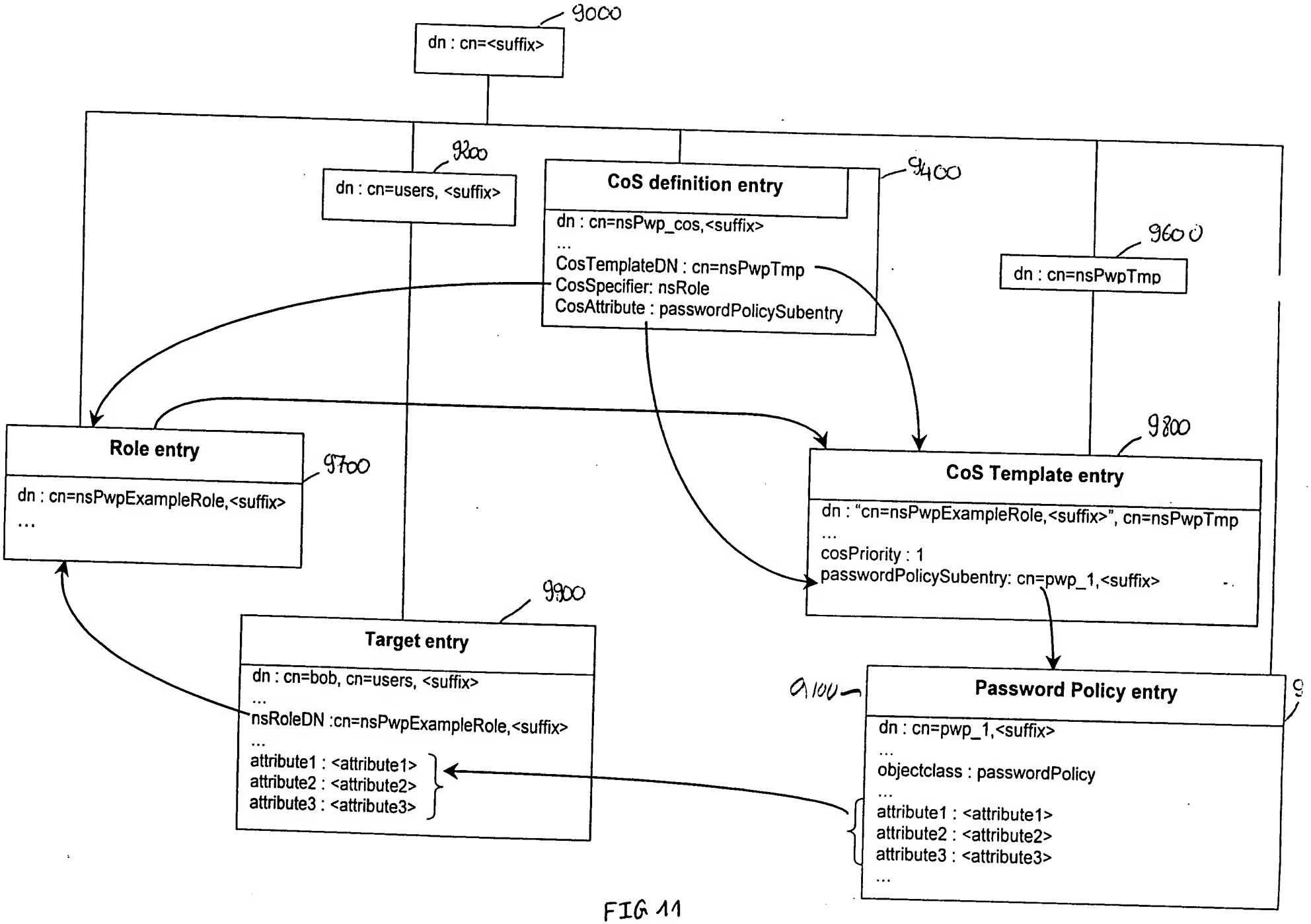

9000
dn : cn=<suffix>
9200
dn : cn=users, <suffix>
CoS definition entry
9400
dn : cn=nsPwp_cos,<suffix>
...
CosTemplateDN : cn=nsPwpTmp
CosSpecifier: nsRole
CosAttribute : passwordPolicySubentry
9600
dn : cn=nsPwpTmp
Role entry
9700
dn : cn=nsPwpExampleRole,<suffix>
...
9800
CoS Template entry
dn : "cn=nsPwpExampleRole,<suffix>", cn=nsPwpTmp
...
cosPriority : 1
passwordPolicySubentry: cn=pwp_1,<suffix>
9900
Target entry
dn : cn=bob, cn=users, <suffix>
...
nsRoleDN :cn=nsPwpExampleRole,<suffix>
...
attribute1 : <attribute1>
attribute2 : <attribute2>
attribute3 : <attribute3>
9100
Password Policy entry
dn : cn=pwp_1,<suffix>
...
objectclass : passwordPolicy
...
attribute1 : <attribute1>
attribute2 : <attribute2>
attribute3 : <attribute3>
...

FIG 11

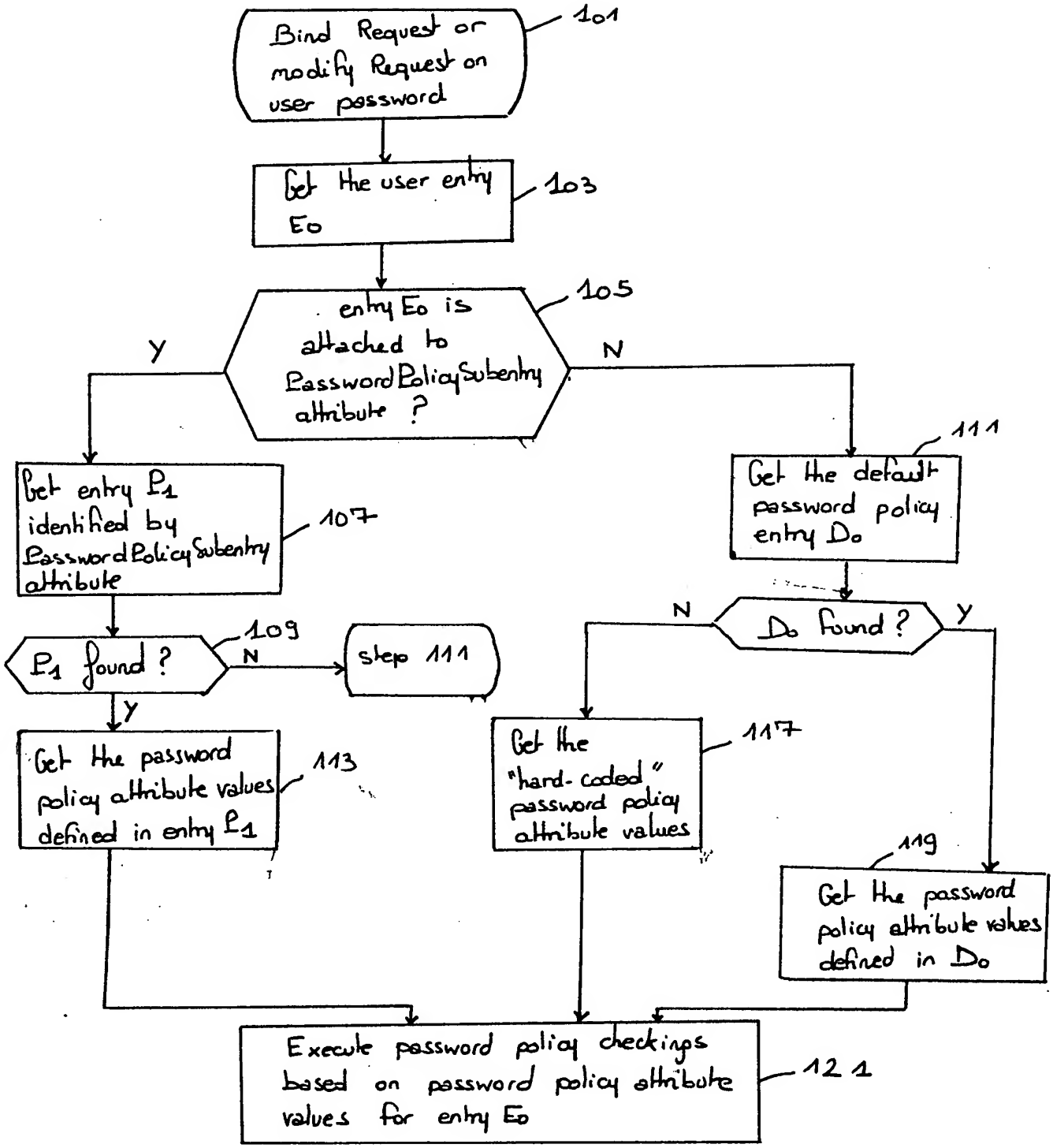

Bind Request or modify Request on user password
101
Get the user entry Eo
103
entry Eo is attached to PasswordPolicySubentry attribute ?
105
Y
N
Get entry P1 identified by PasswordPolicySubentry attribute
107
P1 found ?
109
N
step 111
Y
Get the password policy attribute values defined in entry P1
113
Get the default password policy entry Do
111
Do found ?
N
Y
Get the "hard-coded" password policy attribute values
117
Get the password policy attribute values defined in Do
119
Execute password policy checkings based on password policy attribute values for entry Eo
121

Figure 12

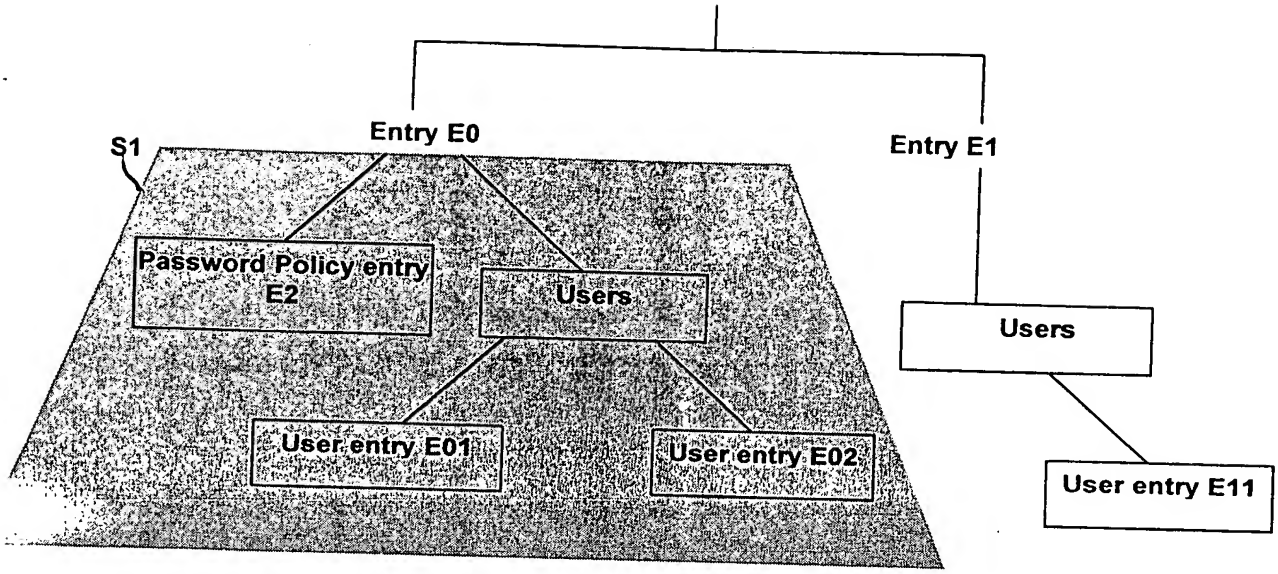

S1
Entry E0
Entry E1
Password Policy entry E2
Users
Users
User entry E01
User entry E02
User entry E11

FIG 13